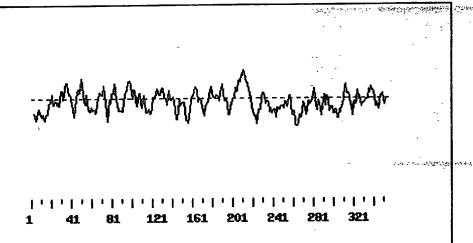
Applicant: Rajasekhar Bandaru Applicant: Rajasekhar Bandaru
Title: 68730 and 69112, Protein Kinase Molecules and Uses

Therefor

USSiN: 10/024,036 Filed: December 17, 2001

Attorney/Agent: Jean M. Silveri Docket No.: MPI2000-521P1RM

Sheet 1 of 8 Sheets



Title: 68730 and 69!12, Protein Kinase Molecules and Uses

Therefor

USSN: 16/....636

Glied: December 17, 2001

Attorney/Age.it: Jean M. Silveri Docket No.: MP12000-521P1RM

Sheet 2 of 8 Sheets

Title: 68730 and 69112, Protein Kinase Molecules and Uses

Therefor

USS.: 10/024,636

Filed: December 17, 2001

Attorney/Agent: Jean Mr. Silveri Docket No.: MPI2000-521P1RM

Sheet 3 of 8 Sheets

pkinase:	domain	1 0	of 1, from 23 to 279: score 346.3, E = 3.4e-100 *->yelleklGeGsfGkVykakhk.tgkivAvKilkkeslslrE		•
			+e++e+1G G+f++V +a++k tgk++AvK+++k+ 1++++++ +E		
6	8730	23	FEFKETLGTGAFSEVVLAEEKaTGKLFAVKCIPKKALKgkessiENE		::
			iqilkrlsHpNIvrllgvfedtddhlylvmEymegGdLfdylrrngplse	• •	
			i++1+++H+NIv 1 +++e +++hlylvm+++ gG+Lfd+++++g ++e		
6	8730	70	IAVLRKIKHENIVALEDIYE-SPNHLYLVMQLVSGGELFDRIVEKGFYTE	118	
			keakkialQilrGleYLHsngivHRDLKpeNILldengtvKiaDFGL		
			k+a +++Q+l ++ YLH++givHRDLKpeN+L +++++ ++ i+DFGL		
6	8730	119	KDASTLIRQVLDAVYYLHRMGIVHRDLKPENLLYYSQdeeSKIMISDFGL	168	
			ArlleklttfvGTpwYmmAPEvilegrgysskvDvWSlGviLyEllt		
			++ +++ ++++ +GTp+Y+ APEv 1 +++ys++vD WS+Gvi y 11+		
6	8730	169	SKMEgkgDVMSTACGTPGYV-APEV-LAQKPYSKAVDCWSIGVIAYILLC	216	
			qqplfpqadlpaftqqdevdqliifvlklPfsdelpktridpleelfrik		
			q +Pf+d ++ ++lf+ +		
6	8730	217	ĞPPPFYDENDSKLFEQI	233	
			krrlplpsncSeelkdLlkkcLnkDPskRpGsatakeilnhpwf<		
			++ + + +p ++ +S+++kd+++ + +kDP+kR+ t++++ hpw+		
6	8730	234	LKaeyefDSPYWDDISDSAKDFIRNLMEKDPNKRYTCEQAARHPWI	279	

USS?1: 10/024,036 Attorney/Agend Jean ... Cilveri Docket No.: MPI2000-521P1RM . Sheet 4 of 8 Sheets serkin_6: domain 1 of 1, from 23 to 279: score 386.6, E = 2.5e-112 *->YellkklGkGaFGkVylardkktgrlvAiKvik.....erilrE +e+ ++1G GaF++V la +k tg+l+A+K+i+++ ++++ +i++E FEFKETLGTGAFSEVVLAEEKATGKLFAVKCIPkkalkgkeSSIENE 69 22 68730 23 ikiLkk.dHPNIVkLydvfed.dklylVmEyceGdlGdLfdllkkrgrrg i++L+k +H+NIV L d++e++++lylVm +++G G+Lfd+++++g 70 IAVLRKIKHENIVALEDIYESPNHLYLVMQLVSG--GELFDRIVEKGF-- 115 68730 lrkvlsE.earfyfrQilsaLeYLHsqgIiHRDLKPeNiLLds....hv ++E++a ++rQ+l+a+ YLH++gI+HRDLKPeN+L s+++++ + 116 ----YTEKDASTLIRQVLDAVYYLHRMGIVHRDLKPENLLYYSqdeesKI 161 68730 KlaDFGlArql.....ttfvGTpeYmAPEvl...gYgkpavDiWSlGci +++DFGl++ ++++ +t +GTp Y+APEvl +++Y+k avD WS+G+i 162 MISDFGLSKMEgkgdvmSTACGTPGYVAPEVLaqkPYSK-AVDCWSIGVI 210 68730 lyElltGkpPFp..qldlifkkig......SpeakdLikklL y+ll+G+pPF+++++ ++f++i++ +++ ++++++ S++akd+i++l+ 211 AYILLCGYPPFYdeNDSKLFEQILkaeyefdspywddiSDSAKDFIRNLM 260 68730 vkdPekRlta.eaLedeldikaHPff<-* +kdP+kR+t+++a + 261 EKDPNKRYTCeQAAR-----HPWI

279

Filed: December 17, 2001

пррисант. Кајасскиат Банчаги

Therefor

68730



Therefor

16SN: 10/024,035

Filed: December 17, 2001

Attorney/Agent: Jean M. Silveri Docket No.: MPI2600-521P1RM

Sheet 5 of 8 Sheets

	-	51
turkin 6: domain 1	of 1, from 23 to 279: score 35.7, E = 4e-14	
cyram_ov dames a	*->ltlakkLGeGaFGeVvkGtlkieVAVKtLkedakeefirE	-
	+++++LG GaF eV++++ k ++ AVK++ + a ++++ + +E	
68730 23	THE PROPERTY OF THE PROPERTY O	69
	akiMkklGgkHpNiVkLlGvcteegrrFmevePlmivmEymegGdLldyL	
	+ +++k+ kH+NiV+L + ++ l++vm +++gG L d++	110
68730 70	IAVLRKIKHENIVALEDIYESPNHLYLVMQLVSGGELFDRI	110
	rknrpklslsdLlsfAlQIAkGMeYLesknfvHRDLAARNcLvgenk	
	++ ++d O+ + YL+++++vHRDL N L+ ++ +++	
68730 111	-VEKGFYTEKDASTLIRQVLDAVYYLHRMGIVHRDLKPENLLYYSQDees	159
	${\tt vvKIsDFGLsRdlyddDkkGeskdyYrkkggkggktllPirWmAPEslkd}$	
	+ IsDFGLs+ + + d+ +++ g+ + APE+1	
68730 160	KIMISDFGLSKMEGKGDVMSTACGTPGYVAPEVLAQ	195
	gkFtskSDVWSFGVlLWEiftlGeqPYpgeiqqfmsneevleylkkGyRl	******
	+ ++ + D WS GV + i+ G +P ++ ++++++++ k ++	
68730 196	KPYSKAVDCWSIGVIAY-ILLCGYPPFYDENDSKLFEQILKAEYE	239
	pkPendlpiSsvtCPdelYdlMlqCWaedPedRPtFselverl<	
	++ ++ + d + +1M++ dP++R t ++ ++ +	070
68730 240	FDSPYWddisDSAKDFIRNLMEKDPNKRYTCEQAarHPWI	279



Title: (8730 and 69112, Protein Kinase Molecules and Uses 4-036 a 03 0 5 1 Therefor Filed: December 17, 2001 USSN: 10/024,036 Autorney/Agent: Is.: 14. Silveri Docket No.: MPI2000-521P1RM Sheet 6 of 8 Sheets pkinase: domain 1 of 1, from 356 to 613: score 350.2, E = 2.3e-101 *->yelleklGeGsfGkVykakhk.tgkivAvKilkkesls.....lrE ve++++G G+f++V++++h++t + +A+Ki++k++l+++++ +E YETGRVIGDGNFAVVKECRHReTRQAYAMKIIDKSRLKgkedmvDSE 402 69112 $iqilkrls {\tt HpNIvrllgv} fedtddhlylv {\tt mEymegGdL} fdylrrngplse$ i i ++lsHpNIv+l++v+e td ++yl++Ey+ gGdLfd ++w++w++++ec + 403 ILIIQSLSHPNIVKLHEVYE-TDMEIYLILEYVQGGDLFDAIIESVKFPE 451 69112 keakkialQilrGleYLHsngivHRDLKpeNILlden....gtvKiaDFG 452 PDAALMIMDLCKALVHMHDKSIVHRDLKPENLLVQRNedksTTLKLADFG 501 69112 LArll.eklttfvGTpwYmmAPEvilegrgysskvDvWSlGviLyElltg LA+ + t++GTp+Y+APE+1++gy++vD+W+GviLy 11+g502 LAKHVvRPIFTVCGTPTYV-APEI-LSEKGYGLEVDMWAAGVILYILLCG 549 69112 $\verb|gplfpgadlpaftggdevdqliifvlklPfsdelpktridpleelfrikk| \\$ +Pf+ ++ +elf+i++

прримань мајаземни виниции

69112

69112

-FPPFRS----PERDQDELFNIIQ 568

Applicant: Kajasekhai Danuaru
Title: 68730 and 69112, Protein Kinase Molecules and Uses

Therefor

1 OSN: 10/924,036

Filed: December 17, 2001

Autorney/Agent: Jon M. Silveri Docket No.: MPI2000-32!PIRM

Sheet 7 of 8 Sheets

serkin_6: domain 1	of 1, from 356 to 613: score 372.7, E = 3.8e-108
69112 356	YellkkIGkGaFGkVylardkktgrlvAiKvikerilrE Ye ++++G G F++V+ +r+++t + +A+K+i+++ +++++++ +E YETGRVIGDGNFAVVKECRHRETRQAYAMKIIDksrlkgkeDMVDSE 402
69112 403	ikiLkk.dHPNIVkLydvfed.dklylVmEyceGdlGdLfdllkkrgrrg i i ++ HPNIVkL++v+e++ ++yl++Ey+ G Gdlfd + + + ILIIQS1SHPNIVKLHEVYETdMEIYLILEYVQGGDLFDAIIESVK 448
69112 449	lrkvlsE.earfyfrQilsaLeYLHsqgIiHRDLKPeNiLLdsh ++E++a+ ++ +++aL ++H++ I+HRDLKPeN+L+ +++++++FPEpDAALMIMDLCKALVHMHDKSIVHRDLKPENLLVQRnedkstT 494
	vKlaDFGlArqlttfvGTpeYmAPEvlgYgkpavDiWSlGcil +KlaDFGlA+++ ++ t++GTp Y+APE+l+++gYg +vD+W+ G+il LKLADFGLAKHVvrpiFTVCGTPTYVAPEILsekGYGL-EVDMWAAGVIL 543
	yElltGkpPFpqldlifkkigSpeakdLikkl y+11+G pPF+++++++d++f++i ++ + ++++++ S+ akdL+++1 YILLCGFPPFRsperDQDELFNIIQlghfeflppywdniSDAAKDLVSRL 593
	LvkdPekRlta.eaLedeldikaHPff<-* Lv+dP+kR+ta+++L+ HP++ LVVDPKKRYTAhQVLQHPWI 613

			,
			of 1, from 356 to 613: score 50.0, E = 5.3e-15 *->ltlgkkLGeGaFGeVykGtlkieVAVKtLkedakeeFlrE + g+++G G+F +V +++ ++++ A K + ++ ++++ + +E YETGRVIGDGNFAVVKECRHRetrQAYAMKIIDKSRlkgkEDMVDSE 402
6	59112	403	akiMkklGgkHpNiVkLlGvcteegrrFmevePlmivmEymegGdLldyL + i +l +HpNiVkL+ v ++ ++++Ey+ gGdL d + ILIIQSLSHPNIVKLHEVYETDMEIYLILEYVQGGDLFDAI 443
6	59112	444	rknrpklslsdLlsfAlQIAkGMeYLesknfvHRDLAARNcLvgenk ++ + ++ +d + + +k + ++k +vHRDL N Lv +n +++ IESVK-FPEPDAALMIMDLCKALVHMHDKSIVHRDLKPENLLVQRNEdks 492
6	59112	493	.vvKIsDFGLsRdlyddDkkGeskdyYrkkggkggktllPirWmAPEslk ++ K +DFGL++ + ++ +g APE l tTLKLADFGLAKHVVRPIFTVCGTPTYVAPEILS 526
6	9112	527	dgkFtskSDVWSFGVlLWEiftlGeqPYpgeiqqfmsneevleylkkGyR ++ + + D W+ GV L+ i+ G +P ++ + +e+++ ++ G+ EKGYGLEVDMWAAGVILY-ILLCGFPPFRSPERDQDELFNIIQLGHF 572
6	59112	573	<pre>lpkPendlpiSsvtCPdelYdlMlqCWaedPedRPtFselverl<-* P++ +d+ dl ++ dP++R t ++ ++ + EFLPPYWDNISDAAKDLVSRLLVVDPKKRYTAHQVlqHPWI 613</pre>

